



1. General information

Course: WORK PLACEMENT

Type: PRACTICUM-RELATED COURSE

Degree: 409 - CHEMISTRY

Center: 1 - FACULTY OF SCIENCE AND CHEMICAL TECHNOLOGY

Year: 4

Main language: Spanish

Use of additional
languages:

Web site:

Code: 57339

ECTS credits: 12

Academic year: 2023-24

Group(s): 20

Duration: AN

Second language: English

English Friendly: Y

Bilingual: N

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2. Pre-Requisites

Not established

3. Justification in the curriculum, relation to other subjects and to the profession

Not established

4. Degree competences achieved in this course

Course competences

| Code | Description |
|------|--|
| CB02 | Apply their knowledge to their job or vocation in a professional manner and show that they have the competences to construct and justify arguments and solve problems within their subject area. |
| CB03 | Be able to gather and process relevant information (usually within their subject area) to give opinions, including reflections on relevant social, scientific or ethical issues. |
| CB04 | Transmit information, ideas, problems and solutions for both specialist and non-specialist audiences. |
| CB05 | Have developed the necessary learning abilities to carry on studying autonomously |
| E03 | Handle chemicals safely and with respect to the environment |
| E11 | Know the basic operations and the unitary processes of the chemical industry |
| E14 | Know and know how to apply the metrology of chemical processes, including quality management |
| E15 | Know how to handle the standard chemical instrumentation and be able to elaborate and manage standardized procedures of work in the laboratory and chemical industry |
| E16 | Plan, design and develop projects and experiments |
| E17 | Develop the ability to relate to each other the different specialties of Chemistry, as well as this one with other disciplines (interdisciplinary character) |

| | |
|-----|---|
| G02 | Be able to gather and interpret data, information and relevant results, obtain conclusions and issue reasoned reports on scientific, technological or other problems that require the use of chemical tools |
| G03 | Know how to apply the theoretical-practical knowledge acquired in the different professional contexts of Chemistry |
| G05 | Acquire and adapt new knowledge and techniques of any scientific-technical discipline with incidence in the chemical field |
| T04 | Ethical commitment and professional ethics |
| T05 | Organization and planning capacity |
| T06 | Ability to approach decision making |
| T07 | Ability to work as a team and, where appropriate, exercise leadership functions, fostering the entrepreneurial character |
| T08 | Skills in interpersonal relationships |
| T09 | Motivation for quality, job security and awareness of environmental issues, with knowledge of internationally recognized systems for the correct management of these aspects |

5. Objectives or Learning Outcomes

Course learning outcomes

Description

Know the applications of chemistry in the agri-food, environmental, clinical, pharmaceutical and industrial fields

Train the student to be sensitive to the ethical exercise of the profession, becoming aware of the social responsibility of their reports and their impact on decision making

Train the student to solve problems based on the use of chemical tools and techniques.

Know some of the main professional activities of the graduate in chemistry

Acquire training in the way of working of the chemical professional in organizations (companies, institutions, laboratories, etc.) where the profession can potentially practice

Acquire skills for practical work, being able to develop it in coordination with other professionals.

Know the principles on the management of professional activity in different types of organizations

Become aware of the importance of teamwork, responsibility in performance, and responsible management strategies and leadership.

Train the student for autonomous work and learning, as well as for personal initiative.

6. Units / Contents

No units added

7. Activities, Units/Modules and Methodology

| Training Activity | Methodology | Related Competences (only degrees before RD 822/2021) | ECTS | Hours | As | Com | Description |
|---|----------------------------------|---|---|------------|----|-----|-------------|
| Practicum [ON-SITE] | Practical or hands-on activities | | 10 | 250 | Y | Y | |
| Practicum and practical activities report writing or preparation [OFF-SITE] | Self-study | | 1.3 | 32.5 | Y | Y | |
| Final test [ON-SITE] | Other Methodologies | | 0.1 | 2.5 | Y | Y | |
| Individual tutoring sessions [ON-SITE] | Guided or supervised work | | 0.3 | 7.5 | N | - | |
| Individual tutoring sessions [ON-SITE] | Guided or supervised work | | 0.3 | 7.5 | N | - | |
| Total: | | | 12 | 300 | | | |
| Total credits of in-class work: 10.7 | | | Total class time hours: 267.5 | | | | |
| Total credits of out of class work: 1.3 | | | Total hours of out of class work: 32.5 | | | | |

As: Assessable training activity

Com: Training activity of compulsory overcoming (It will be essential to overcome both continuous and non-continuous assessment).

8. Evaluation criteria and Grading System

| Evaluation System | Continuous assessment | Non-continuous evaluation* | Description |
|---|-----------------------|----------------------------|-------------|
| Final test | 30.00% | 30.00% | |
| Practicum performance | 40.00% | 40.00% | |
| Practicum and practical activities reports assessment | 30.00% | 30.00% | |
| Total: | 100.00% | 100.00% | |

According to art. 4 of the UCLM Student Evaluation Regulations, it must be provided to students who cannot regularly attend face-to-face training activities the passing of the subject, having the right (art. 12.2) to be globally graded, in 2 annual calls per subject, an ordinary and an extraordinary one (evaluating 100% of the competences).

9. Assignments, course calendar and important dates

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10. Bibliography and Sources

| Author(s) | Title/Link | Publishing house | Citv | ISBN | Year | Description |
|-----------|------------|------------------|------|------|------|-------------|
|-----------|------------|------------------|------|------|------|-------------|